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**IN THE CLAIMS:**

1-90. (Cancelled)

91. (Previously added) A composition for promoting the growth and strengthening of bone consisting essentially of a mixture of hyaluronic acid, cancellous bone, and demineralized bone matrix.

92. (Previously added) A composition as set forth in claim 91 wherein the cancellous bone is present at 10-50% (w/w).

93. (Previously added) A composition as set forth in claim 91 wherein the cancellous bone is milled to 0.1-1.5 mm in its longest diameter.

94. (Previously added) A composition as set forth in claim 91 wherein the hyaluronic acid is present at 10-80% (w/w), the cancellous bone is present at 10-40% (w/w), and the demineralized bone matrix is present at 5-30%.

95. (Amended) A composition for promoting the growth and strengthening of bone consisting essentially of a mixture of hyaluronic acid, cancellous bone, demineralized bone matrix, and [a compound] one or more compounds selected from the group consisting of vascular endothelial growth factor, bone morphogenetic proteins, fibroblast growth facts, tumor necrosis factor, endothelial cell growth factors, granulocyte colony-stimulating growth factors, insulin growth factors, interleukins, cytokines, antibiotics [and], vitamins, and non-decalcified bone matrix.

96. (Previously added) A composition as set forth in claim 95 further comprising vascular endothelial growth factor.

97. (Previously added) A composition as set forth in claim 95 wherein any bone-derived material included in the composition consists essentially of bone allograft material.

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98. (Previously added) A method of inducing bone formation in a vertebrate comprising applying a composition as set forth in claim 91 to a site in the vertebrate where bone formation is desired.

99. (Amended) [A] The method of claim 98 wherein the cancellous bone contained in the composition is present at 10-50% (w/w).

100. (Previously added) The method of claim 98 wherein the composition contains cancellous bone milled to 0.1-1.5 mm in its longest diameter.

101. (Amended) The method of claim 98 wherein the composition contains [hyaluronibic] hyaluronic acid present at 10-80% (w/w), cancellous bone present at 10-40% (w/w), and demineralized bone matrix present at 5-30%.

102. (Amended) A method of inducing bone formation in a vertebrate comprising applying a composition for promoting the growth and strengthening of bone consisting essentially of a mixture of hyaluronic acid, cancellous bone, demineralized bone matrix, and [a compound] one or more compounds selected from the group consisting of vascular endothelial growth factor, bone morphogenetic proteins, fibroblast growth factors, tumor necrosis factor, endothelial cell growth factors, granulocyte colony-stimulating growth factors, insulin growth factors, interleukins, cytokines, antibiotics [and], vitamins, and non-decalcified bone matrix.

103. (Previously added) The method of claim 98 wherein any bone-derived material included in the composition consists essentially of bone allograft material.